

March 5, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Gregg A. Galecki, Reclamation Hydrologist III

RE: 2002 Third Quarter Water Monitoring, Savage Industries, Inc., Savage Coal Terminal, C/007/022-WQ02-3

**1. Was data submitted for all of the MRP required sites?** YES [X] NO [ ]

*Identify sites not monitored and reason why, if known:*

With the exception of the UPDES site that is monitored monthly, the other water monitoring sites are monitored on a semi-annual basis. Sampling that has traditionally been conducted during the 2<sup>nd</sup> quarter was not conducted. To avoid a hinderance violation, the Permittee submitted an amendment their MRP to better define 'semi-annual' sampling. The MRP was modified to that indicate water monitoring will be conducted in the 2<sup>nd</sup> and 4<sup>th</sup> quarters to avoid any clarity issues. A sample was collected from monitoring CV-1-W (pumphouse sump) in a feeble attempt to replace sampling that was supposed to occur in the 2<sup>nd</sup> quarter.

**2. On what date does the MRP require a five-year re-sampling of baseline water data.**

*See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP dose not have such a requirement.*

Re-sampling due date Not Required

**3. Were all required parameters reported for each site?** YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

**4. Were irregularities found in the data?**

YES [ ] NO [ X ]

*Comments, including identity of monitoring sites*

Irregularities noted at Well CV-1-W during the November 2001 sampling were closer to anticipated values during the September 2002 sampling period. Ionic balance was less than 5 percent, pH was within the normal buffering range, Chloride values were normal, and Sulfate and TDS values were below normal. These values will continue to be monitored in the future to observe any trends.

**5. Were DMR forms submitted for all required sites?**

*Identify sites and months not monitored:*

1<sup>st</sup> month, YES [ x ] NO [ ]  
2<sup>nd</sup> month, YES [ x ] NO [ ]  
3<sup>rd</sup> month, YES [ x ] NO [ ]

**6. Were all required DMR parameters reported?**

YES [ x ] NO [ ]

*Comments, including identity of monitoring sites:*

**7. Were irregularities found in the DMR data?**

YES [ ] NO [ x ]

*Comments, including identity of monitoring sites:*

UPDES discharge point CV-15-W discharged for only the fifth (5<sup>th</sup>) time since 1980, the last time being March 1995. Not enough data exists to determine whether irregularities exist. No exceedances were noted. Based on the lab sample, it was estimated 818.5 lbs. of total dissolved solids were discharged.

**8. Based on your review, what further actions, if any, do you recommend?**

No further action is necessary for the 2002 Third (3<sup>rd</sup>) Quarter Water Monitoring data.